

TO: Josh Workman  
Hank Yacoub  
FROM: Al Novak 4/3/81

SUBJECT: Review of Lockheed - California Letter 3/24/87

SUMMARY: Lockheed is requesting permission to:

- ① Relocate the proposed upgradient well for Plant C-1 to an upgradient location for Plant B-1.
- ② Reduce the analyses on the samples from the 4 optional wells which will be drilled this summer.

DISCUSSION: Relocation of one upgradient well because the upgradient well for Plant E-1 is so close to a possible source of contamination, Lockheed feels that water samples taken from this well may not be representative of the upgradient ground water quality. To provide an upgradient well, Lockheed proposes to install a well about 1800 feet to the northwest, on property they were leasing from City of Burbank. Their justification for installing this well instead of an upgradient well at Plant C-1 are the low levels of contaminants found in the Plant C-1 downgradient well. The highest value for volatile organics found in the C-1 downgradient well was 7 ug/L. Only 2 samples had this level: 216'-240' TCE, and 280'-304' PCE.

IMMERS Compared to the results the Board got from the downgradient well at Plant B-1 (B-1-mw2) namely:

PCE @ 1160 ug/l and 93 ug/l

TCE @ 92 ug/l and 6.1 ug/l

It appears that additional work at Plant B-1 is justified at this time. If necessary, we can direct Lockheed to install an upgradient well at Plant C-1 sometime in the future.

#### DISCUSSION: Reduction of sampling

Lockheed would like to reduce the analyses performed on samples collected from the 4 new wells. The analysis program used on the first 12 wells is as follows:

A. The shallow and the deep zone samples from each well (2) are tested for:

1. Priority pollutants consisting of

a. Volatile organics (30 compounds) EPA 624

b. RNA (33 compounds) EPA 625

c. metals

d. cyanide

e. phenols

2. General minerals (13 parameters)

B. The remaining samples (at least 4 per well) are tested for:

1. Volatile organics (30 compounds) EPA 624

2. Metals (17)

3. General minerals (13 parameters)

4. Cyanide

S. Total organic carbon

C. 20% QA/QC samples are taken and analyzed.

Lockheed would like to reduce the laboratory analyses to:

1. Samples from each zone (at least 6) will be tested for volatile organics (EPA 624)
2. 20% QA/QC samples will be taken and analyzed.

Their justification is that with the exception of the volatile organics, the test results for all the other parameters were less than primary drinking water standards.

MENTS: Our laboratory results from downgradient wells B-1-MW2 and A-1-MW4 support their contention.

However, before we reduce the analytical work we should get at least one set of base line data on each well, including the 4 new upgradient wells.

After we have received this data, it may be possible to reduce the number of parameters that require continued analysis.

I recommend sending the attached letter summarizing our comments and request.